

1 tttttttttttttag ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC 62
1 M E F S L L L P R L E C N Q A I 16

63 TCA GCT CAC CGC AAC CTC CGC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA 122
17 S A H R N L R L P G S S D S P A S A S P 36

123 GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA 182
37 V A G I T G M C T H A R L I L Y F F L V 56

183 GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC 242
57 E M E F L H V G Q A G L E L P T S D D P 76

243 TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG 302
77 S V S A S Q S A R Y R T G H H A R L C L 96

303 GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC 362
97 A N F C G R N R V S L M C P S W S P E L 116

363 AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT 422
117 K Q S T C L S L P K C W D Y R R A A V P 136

423 GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT 482
137 G L F I L F F L R H R C P T L T Q D E V 156

483 542
157 Q W C D H S S L Q P S T P E I K H P P A 176

543 602
177 S A S Q V A G T K D M H H Y T W L I F I 196

603 662
197 F I F N F L R Q S L N S V T Q A G V Q W 216

663 722
217 R N L G S L Q P L P P G F K L F E C P S 236

723 782
237 L L S S W D Y R R P P R L A N F F V F L 256

783 842
257 V E M G F T M F A R L I L I S G P C D L 276

843 902
277 P A S A S Q S A G I T G V S H H A R L I 296

903 962
297 F N F C L F E M E S H S V T Q A G V Q W 316

963 1022
317 P N L G S L Q P L P P G L K R F E C L E 336

1023 1082
337 L P S S W D Y G H L P P H P A N F C I F 356

1083 1143
357 I R G G V S P Y L S G W S Q T P D L R 375

1144 1223
ccacctgcctcagccttccaaagtgtctgggattacaggcgtagccacctcaccagccggctaatttagataaaaaaat 1223

1224 1303
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1304 1383
caacacccagccagtcacattttttaaacagttacatcttttatttttagtatactagaaagtaatacaataaacatgtcaa 1383

1384 1442
acctgcaaatcagtagtaacagagttctttttataactttttaacaaagcttttagagca 1442

FIG. 1

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609,4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

1 ttttttttttttgag ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC 62
1 M E F S L L L P R L E C N G A I 16

63 TCA GCT CAC CGC AAC CTC CGC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA 122
17 S A H R N L R L P G S S D S P A S A S P 36

123 GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA 182
37 V A G I T G M C T H A R L I L Y F F L V 56

183 GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC 242
57 E M E F L H V G Q A G L E L P T S D D P 76

243 TCC CTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG 302
77 S V S A S Q S A R Y R T G H A R L C L 96

303 GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC 362
97 A N F C G R N R V S L M C P S W S P E L 116

363 AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT 422
117 K Q S T C L S L P K C W D Y R R A A V P 136

423 GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT CCC ACT CTT ACC CAG GAT GAA GTG 482
137 G L F I L F F L R H R C P T L T Q D E V 156

FIG. 1A

483 CAG TGG TGT GAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC 542
157 Q W C D H S S L Q P S T P E I K H P P A 176

543 TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT 602
177 S A S Q V A G T K D M H H Y T W L I F I 196

603 TTT ATT TTT AAT TTT TTG AGA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG 662
197 F I F N F L R Q S L N S V T Q A G V Q W 216

663 CGC AAT CTT GGC TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC 722
217 R N L G S L Q P L P P G F K L F S C P S 236

723 CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CGC CTA GCT AAT TTT TTT GTA TTT TTA 782
237 L L S S W D Y R R P P R L A N F F V F L 256

783 GTA GAG ATG GGG TTC ACC ATG TTC GCC AGG TTG AIC TTG AIC TCT GGA CCT TGT CAT CTG 842
257 V E M G F T M F A R L I L I S G P C D L 276

843 CCT GCC TCG GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG ACC CAC CAC GCC CGG CTT ATT 902
277 P A S A S Q S A G I T G V S H H A R L I 296

903 TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG 962
297 F N F C L F E M E S H S V T Q A G V Q W 316

FIG. 1B

Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's etc.

```

963 CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT CCC GGG CTC AAG CGA TTC TCC TGT CTC AGC 1022
317 P N L G S L Q P L P P G L K R F S C L S 336

1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CAC CCC GCT AAT TTT TGT ATT TTC 1082
337 L P S S W D Y G H L P P H P A N F C I F 356

1083 ATT AGA GGC GGT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG tga 1143
357 I R G C V S P Y L S G W S Q T P D L R 375

1144 caacctgcctcagcctccaagtgctgggattacaggcgtgagccacctcaccagccggctaatcttagataaaaaaat 1223

1224 atgtagcaatgggggtcttgctatgttgccaggctggctcaacctcttggtctcatgcaatccttccaatgagcca 1303

1304 caacaccagccagtcacatcttttaaacagttacatcttttatttagtatactagaagtaatacaataaacatgtcaa 1383

1384 acctgcaattcagtagtaacagagttcttttatataactttttaaaccaagctttagagca 1442

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FIG. 1C

Appl. No. 09/981,177; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

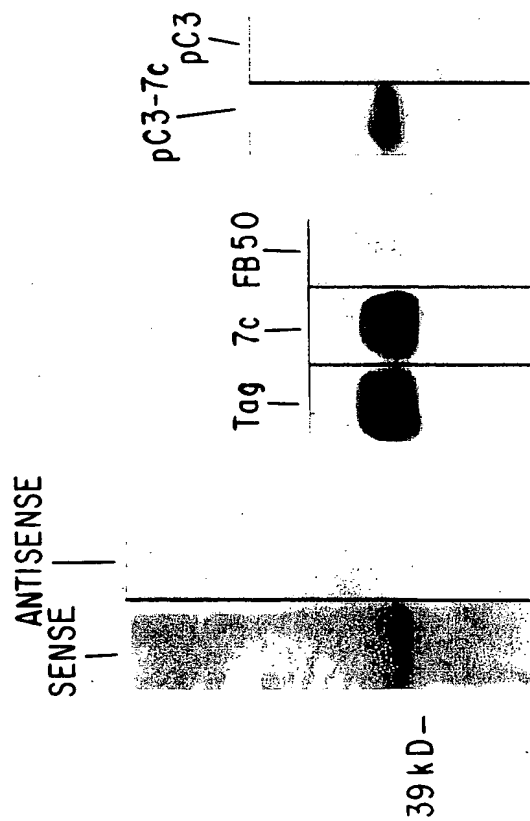
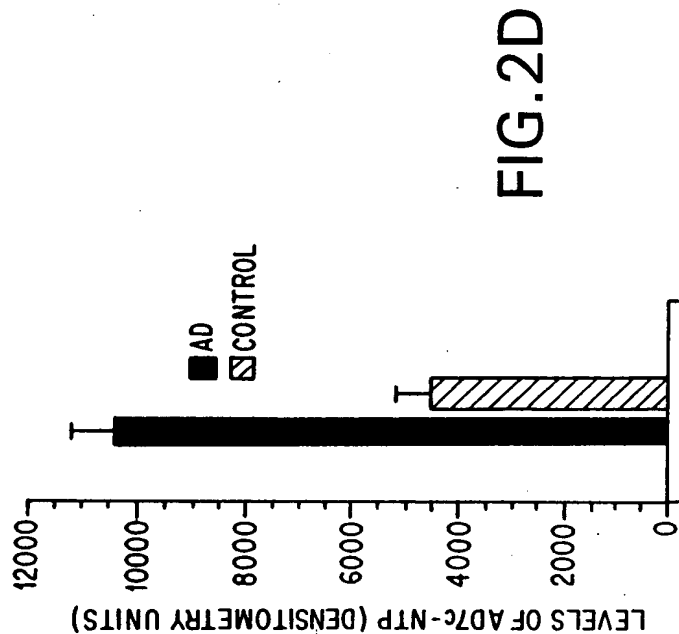
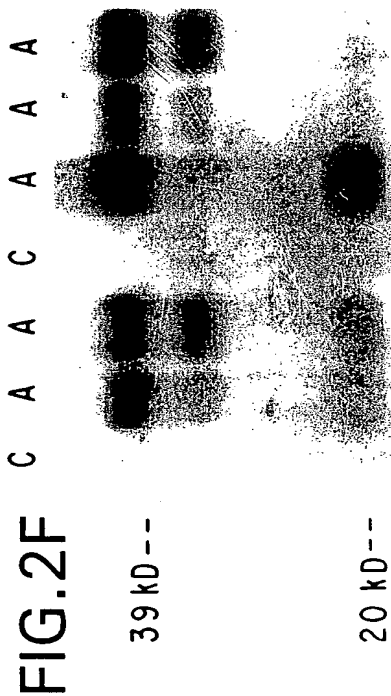
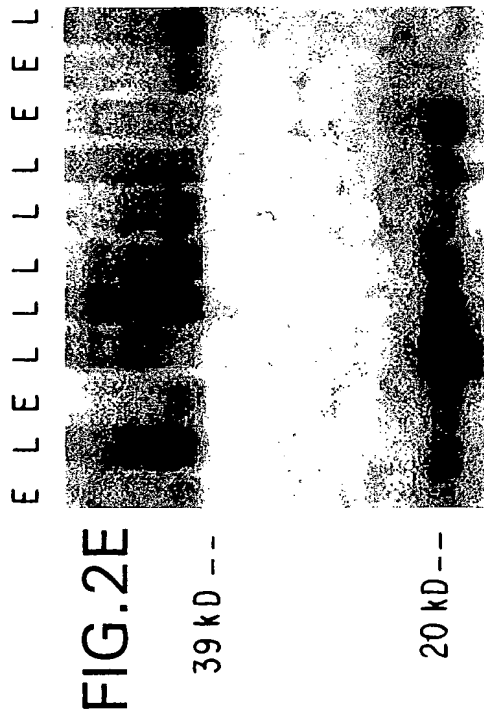


FIG. 2A FIG. 2B FIG. 2C



Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

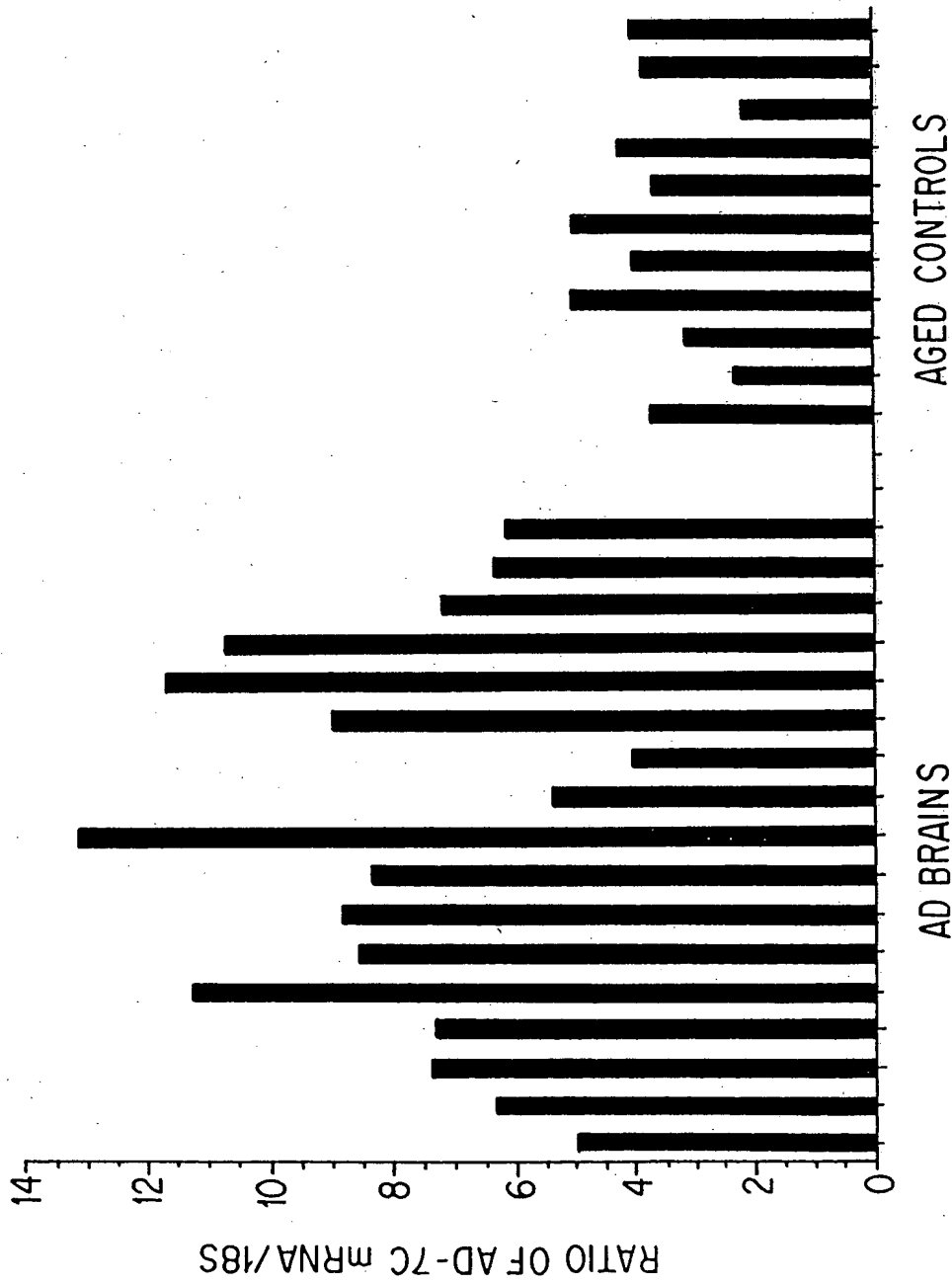


FIG. 3A

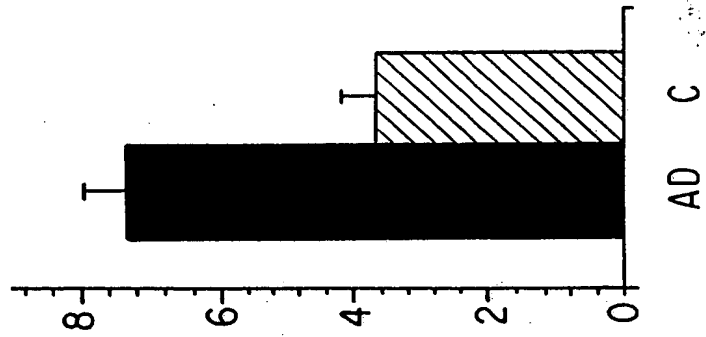


FIG. 3B

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.



FIG. 3C



FIG. 3D

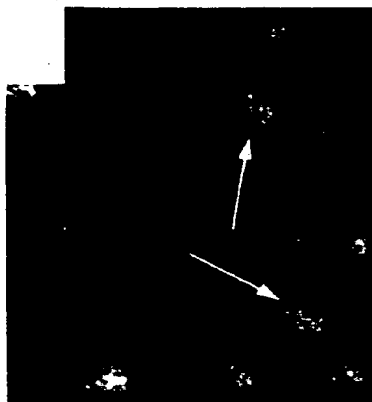


FIG. 3E

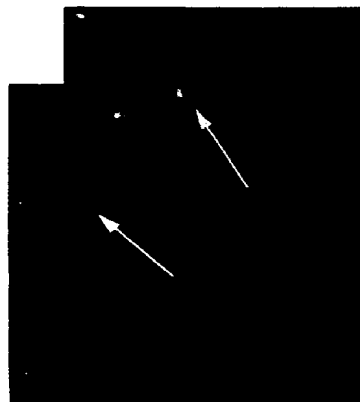


FIG. 3F

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

FIG. 4D

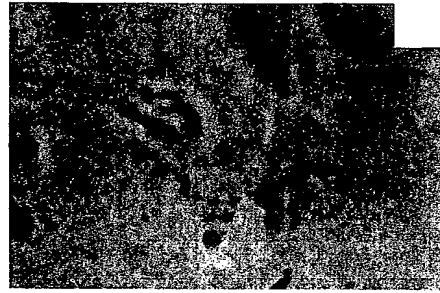
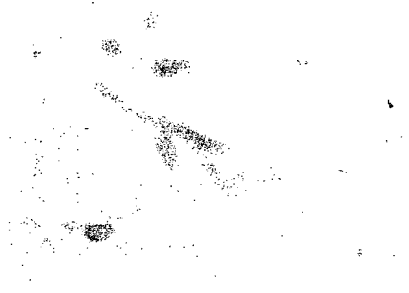


FIG. 4H

FIG. 4C

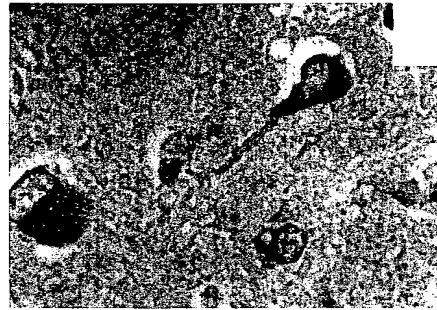


FIG. 4G

FIG. 4B

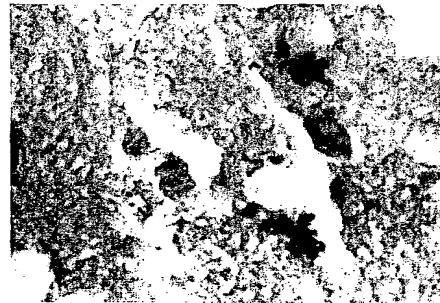
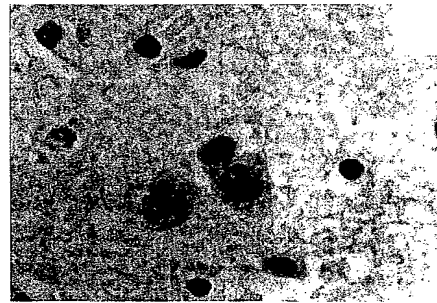


FIG. 4F

FIG. 4A



FIG. 4E

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

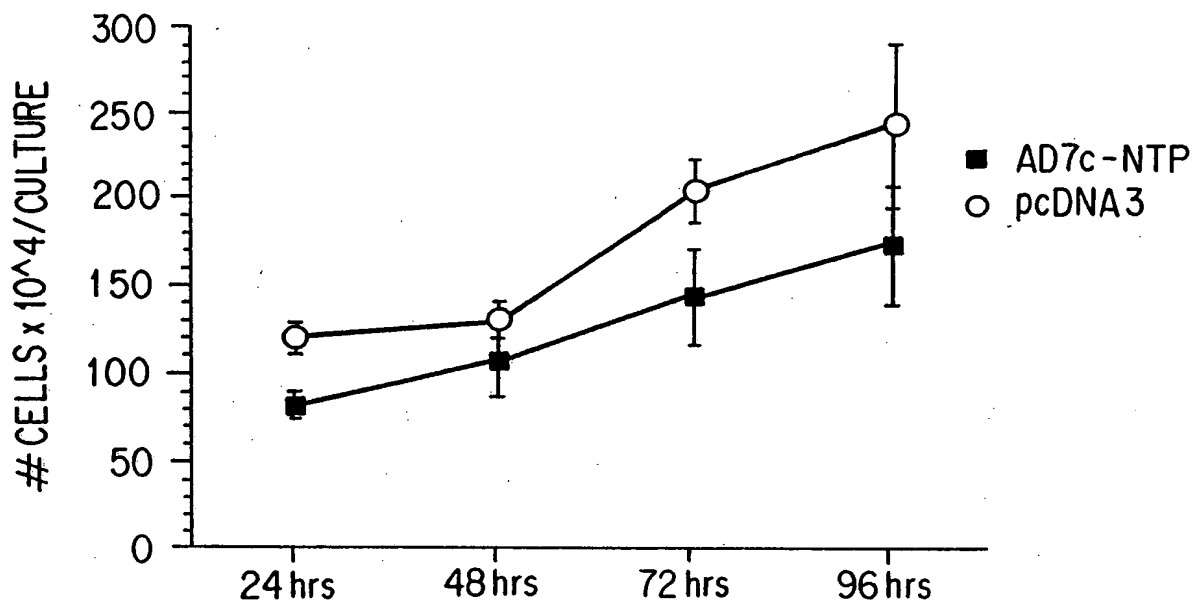


FIG. 5A

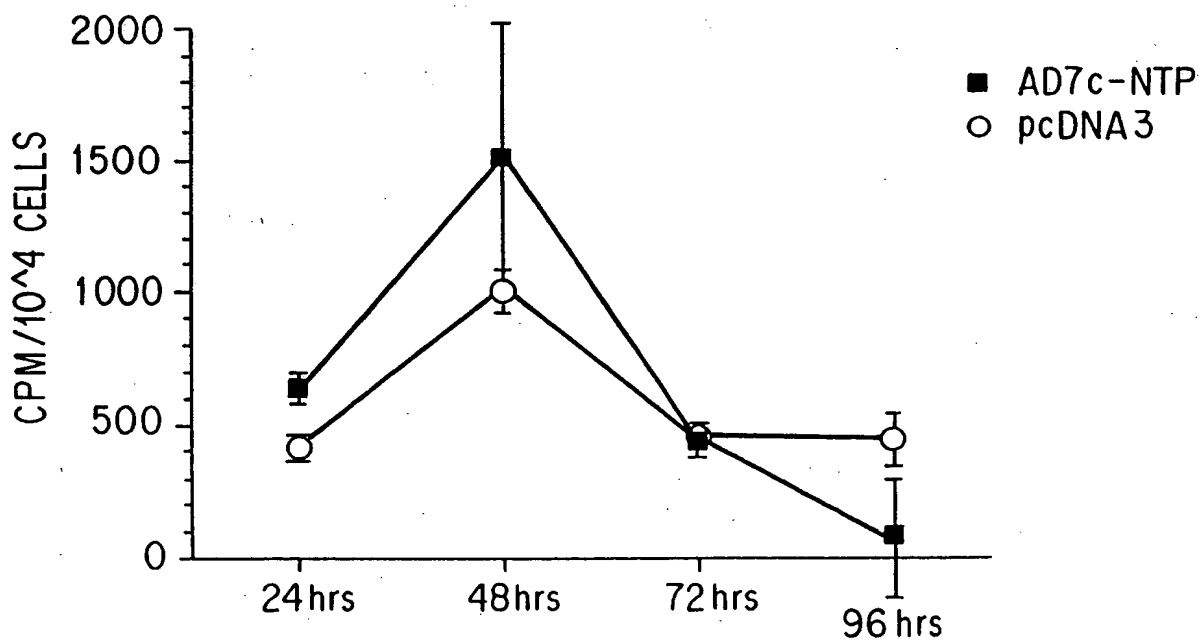
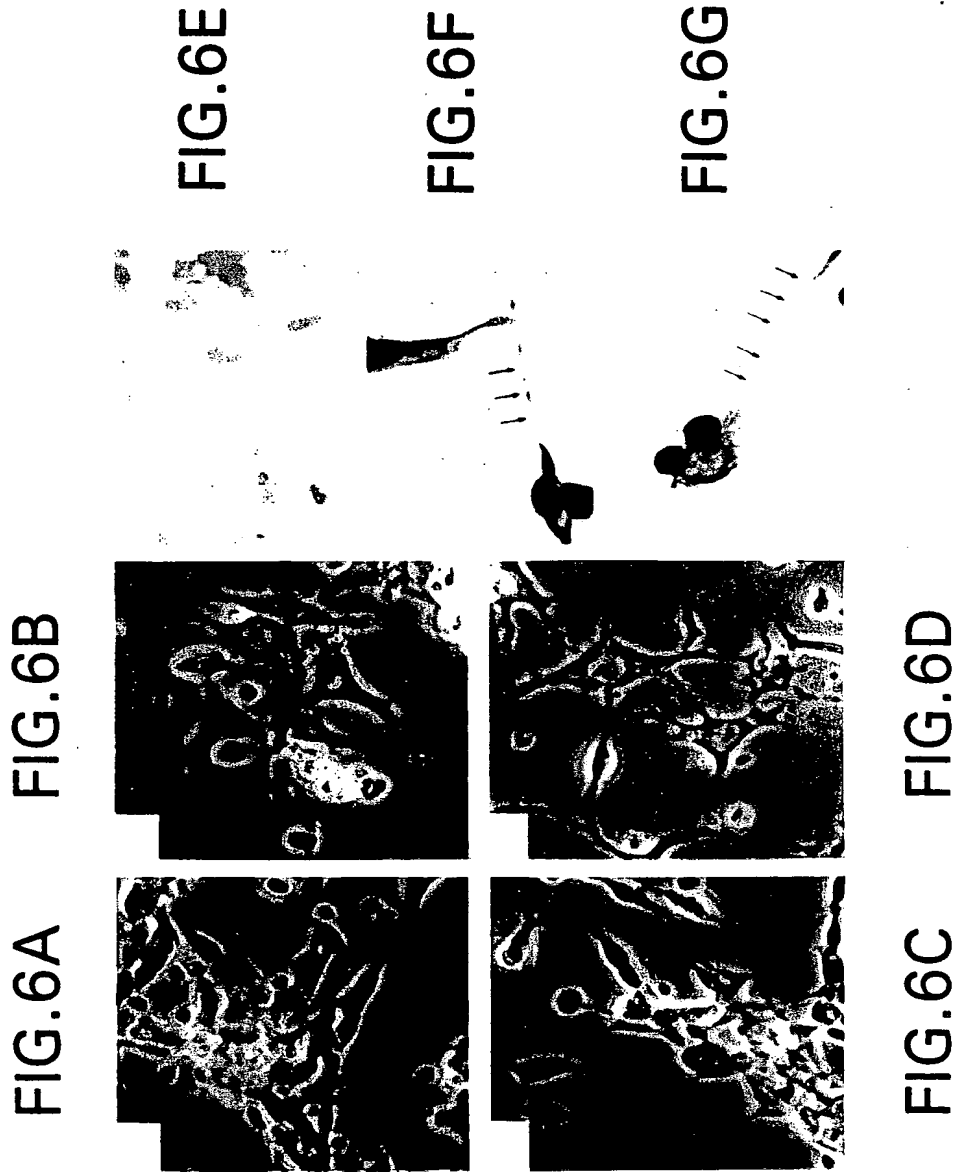


FIG. 5B

Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's etc.

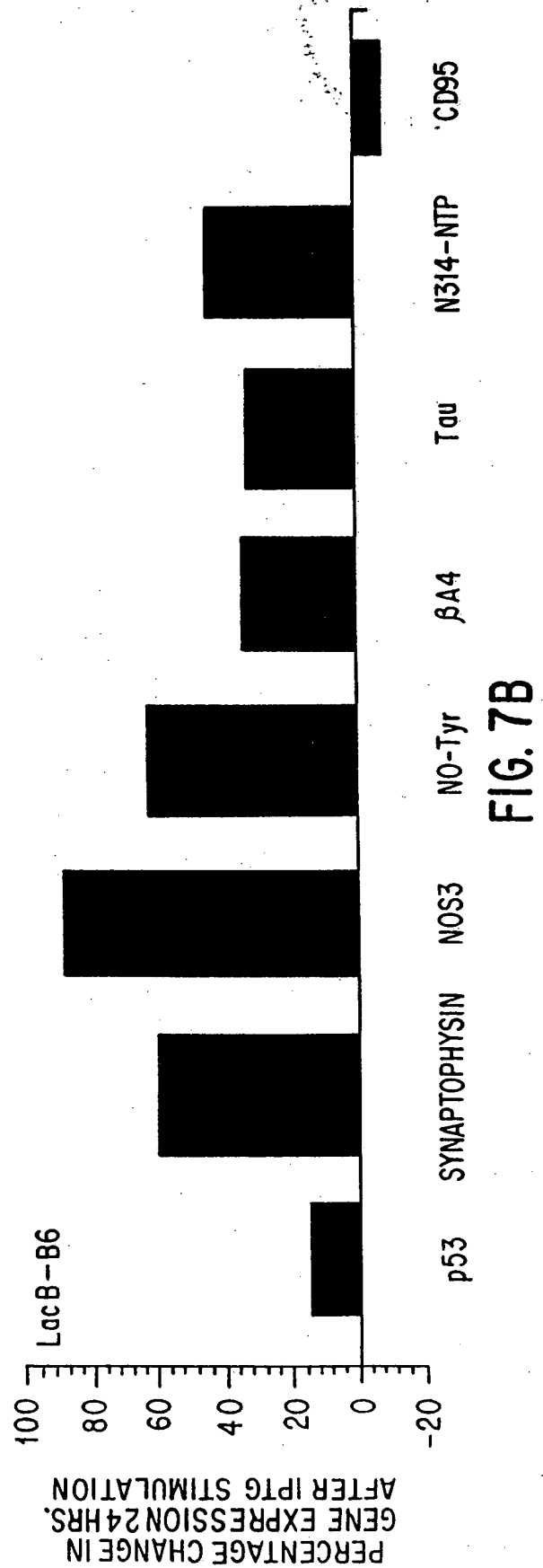
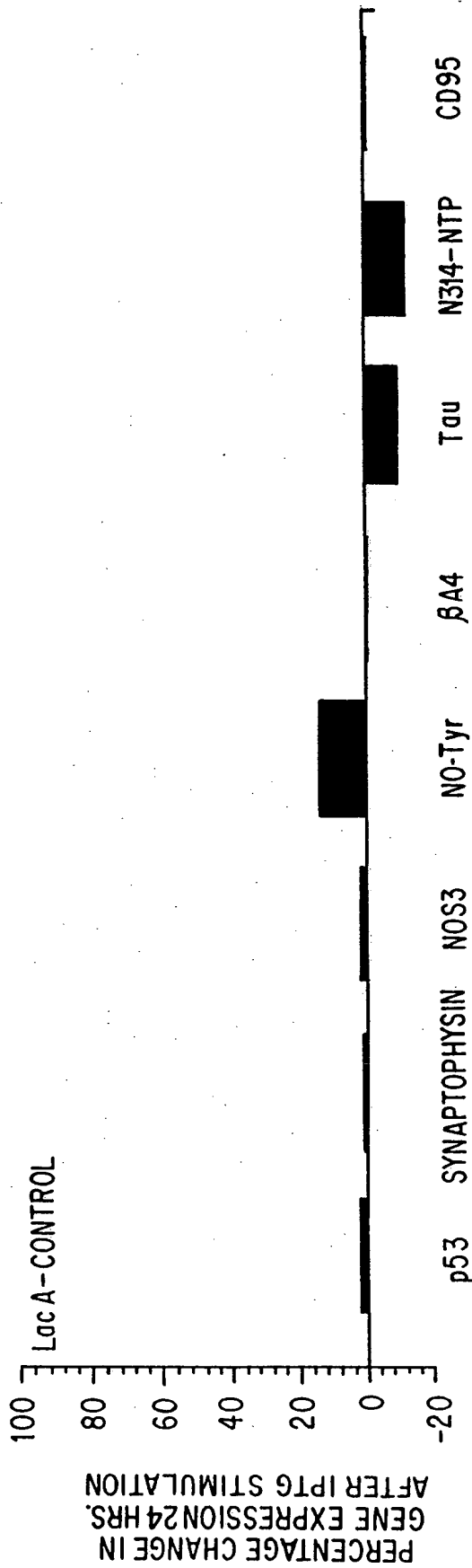


Appl. No. 09/964,667; Group Art Unit: 1633

Dkt. No. 0609.4370005; Batch No.: N/A

Inventors: de la Monte *et al.*; Tel: 202/371-2600

Title: Transgenic Animals and Cell Lines for Screening Drugs Effective for the Treatment or Prevention of Alzheimer's etc.



Appl. No. 0609.4370005; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

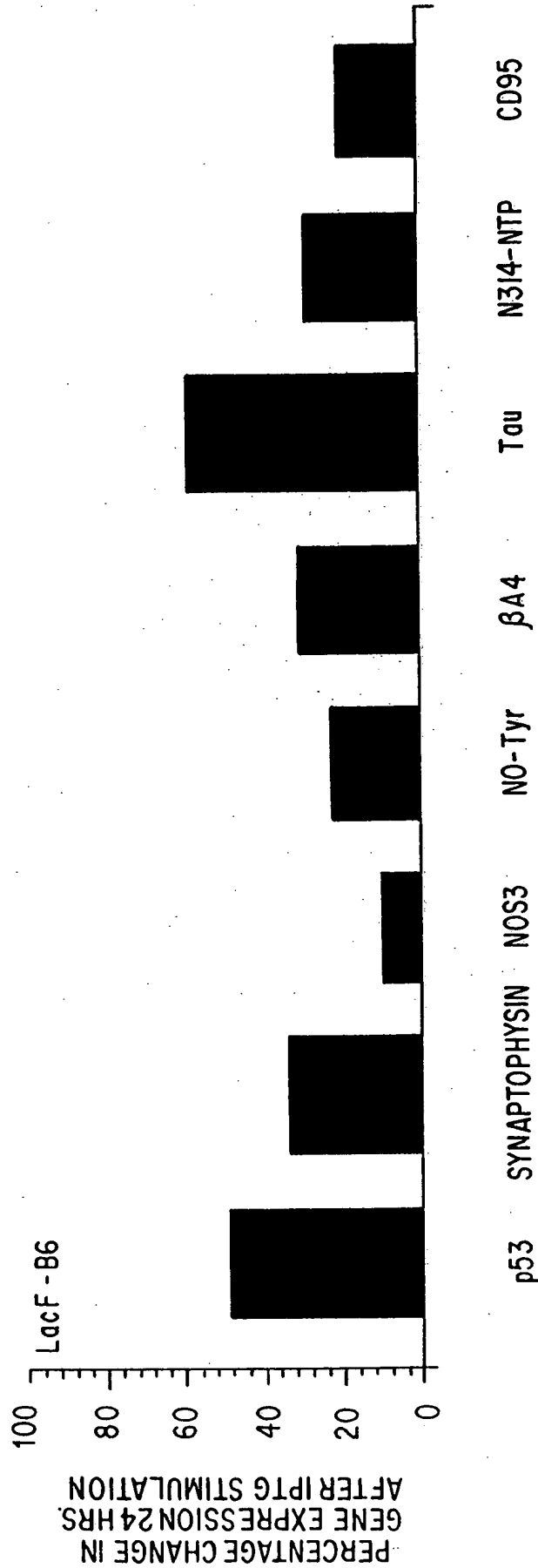


FIG. 7C

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

% CHANGE WITH IPTG STIMULATION

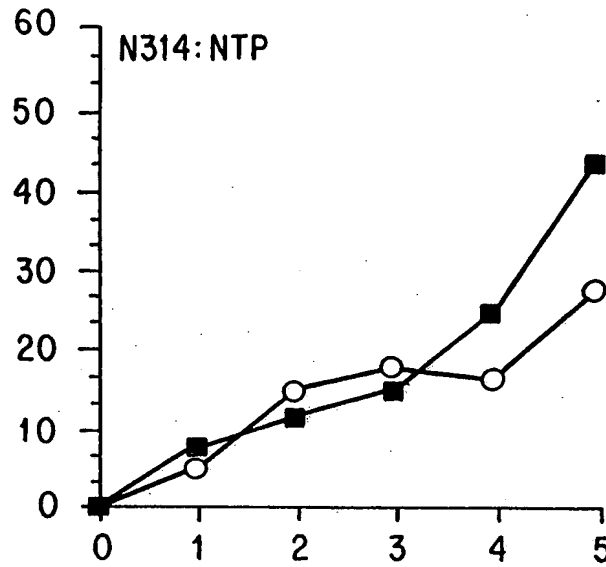


FIG. 8A

% CHANGE WITH IPTG STIMULATION

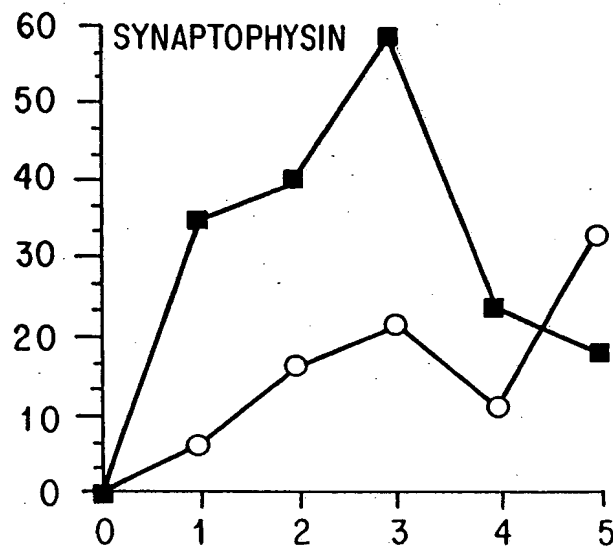


FIG. 8B

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

% CHANGE WITH IPTG STIMULATION

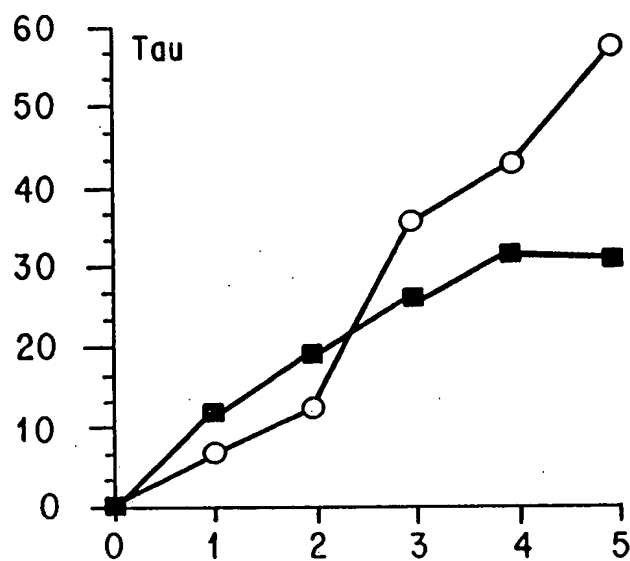


FIG. 8C

% CHANGE WITH IPTG STIMULATION

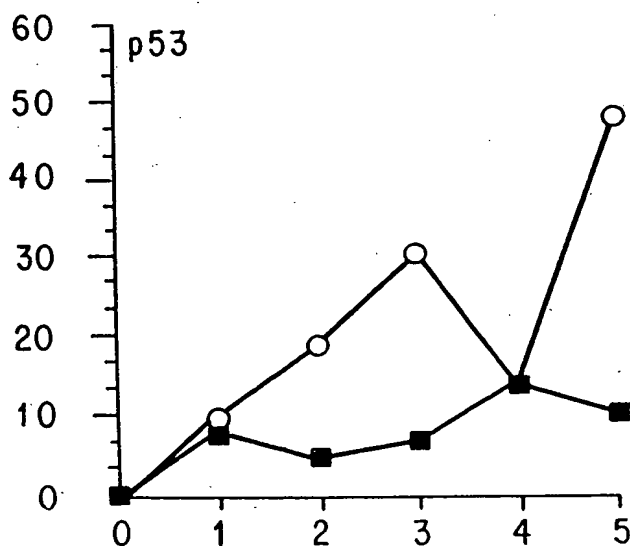


FIG. 8D

Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

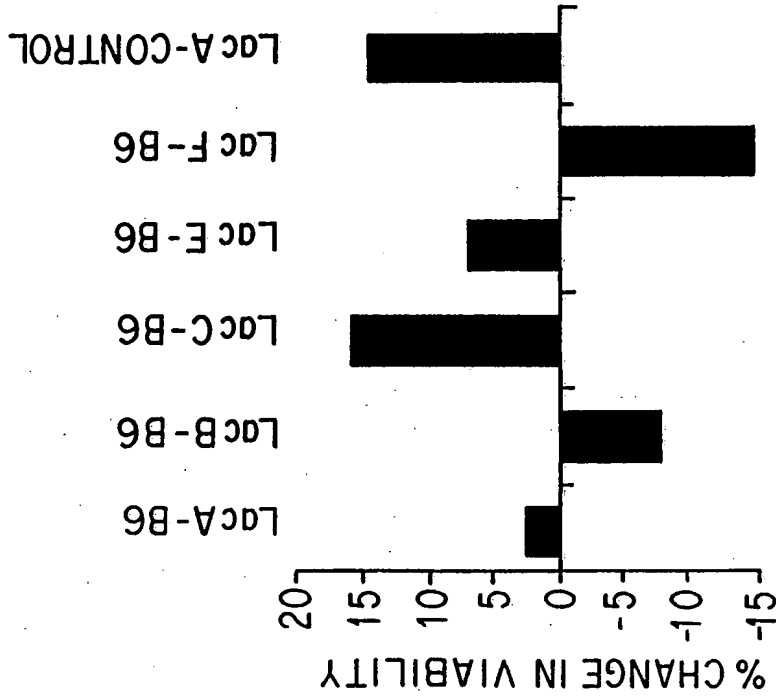


FIG. 9B

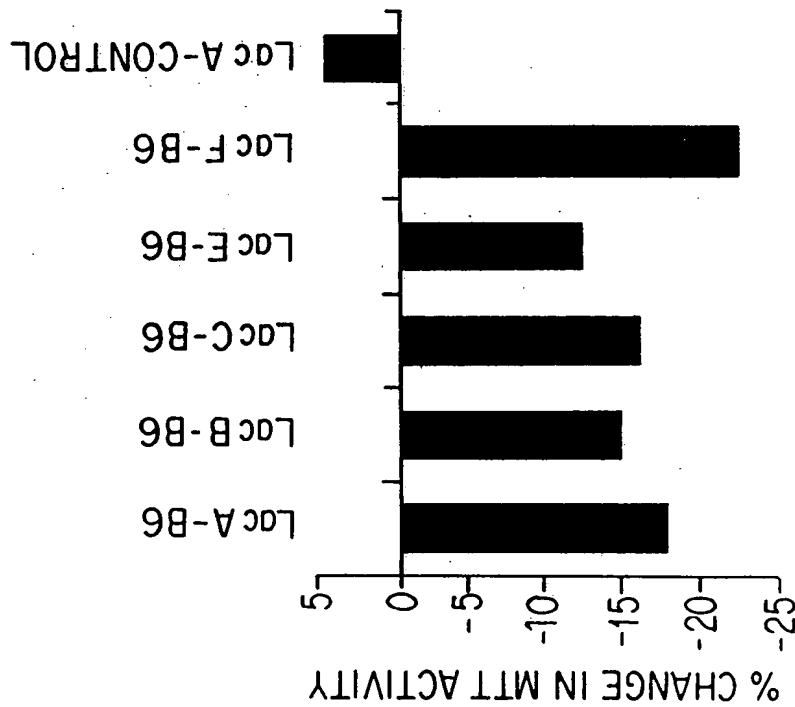


FIG. 9A

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609,4370005; Batch No.: N/A
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Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

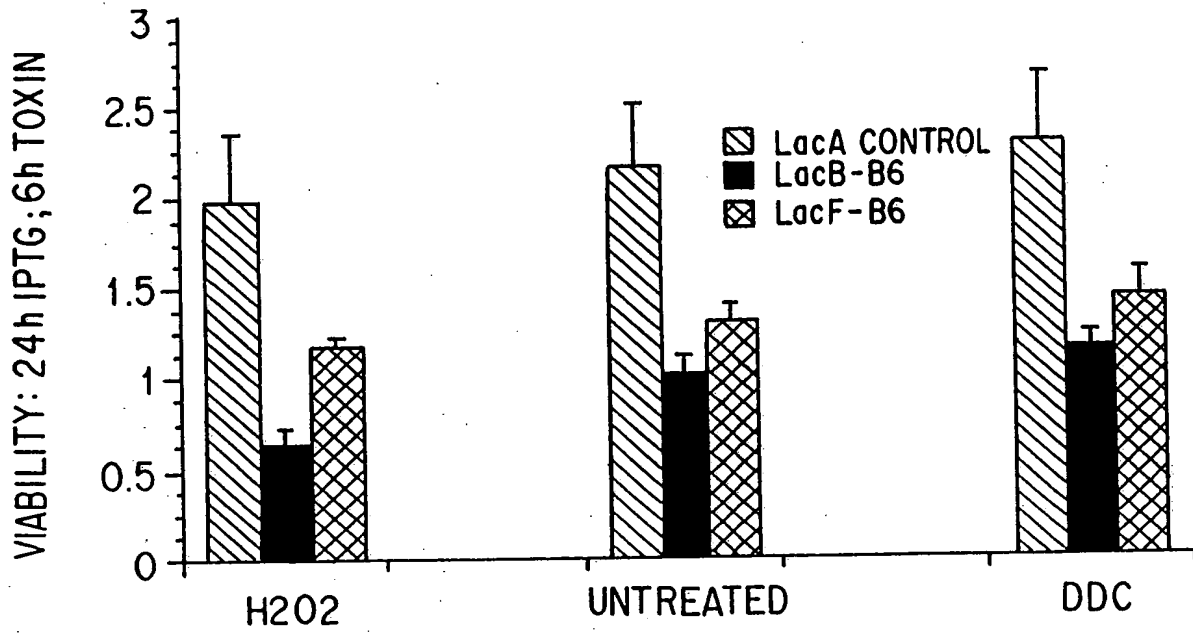


FIG. 10A

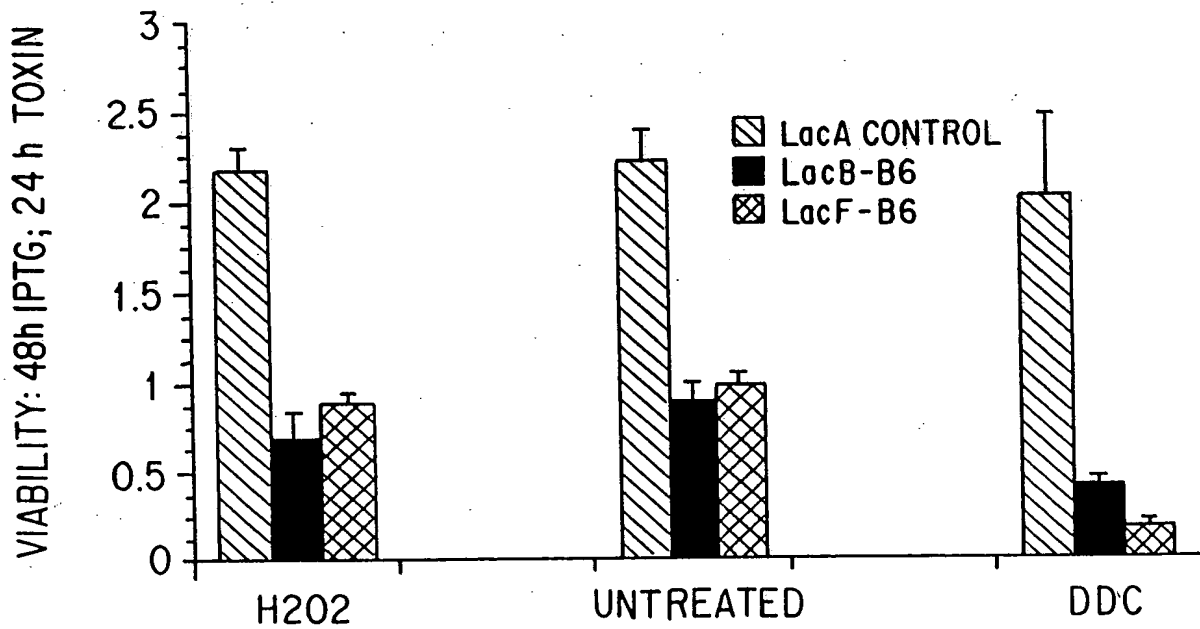


FIG. 10B

Appl. No. 09/964,667; Group Art Unit: 1633

Dkt. No. 0609.4370005; Batch No.: N/A

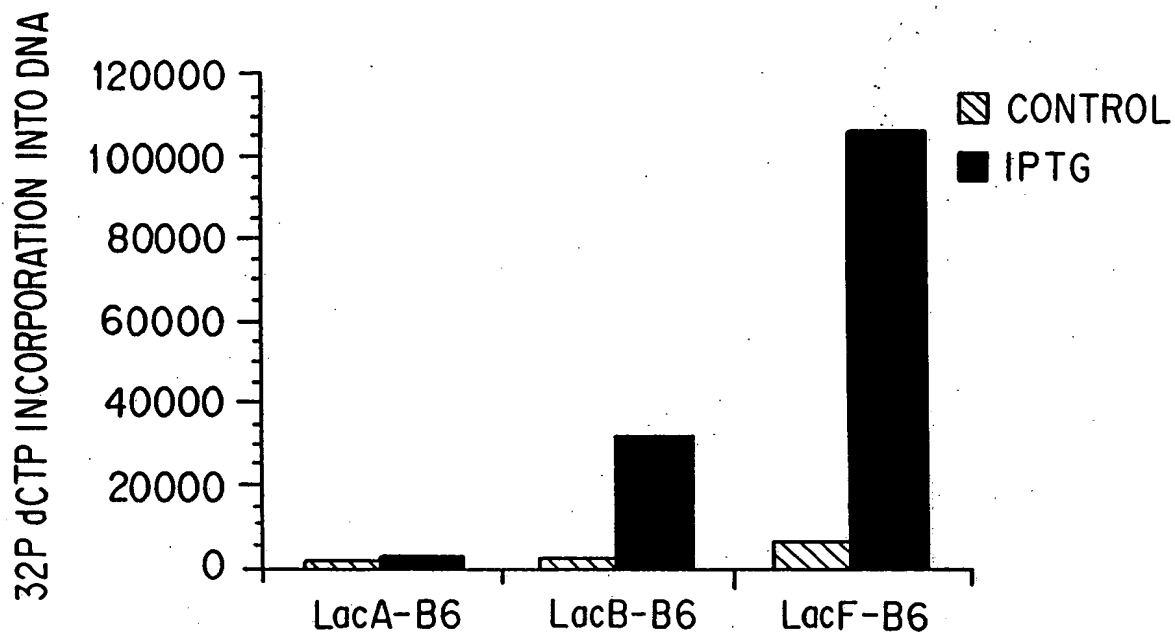
Inventors: de la Monte *et al.*; Tel: 202/371-2600Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

FIG. 11

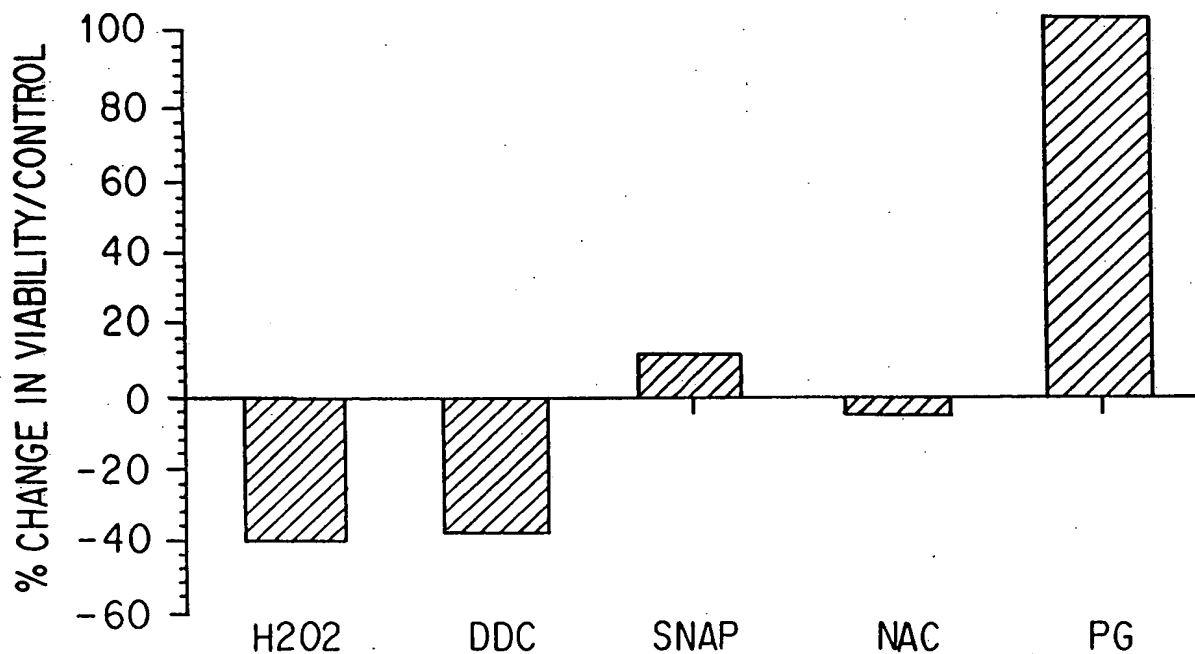


FIG. 12